

S.S.N. 09/815,262
Transmittal of IDS

#4
gms
12/8.01

RECEIVED
DEC 05 2001
04676.163055
FBI CENTER 16012900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Meng *et al.*

Serial No.: 09/815,262

Art Unit: 1614

Filed: March 11, 2001

Examiner: Unknown

For: Thioketals and Thioethers for Inhibiting the Expression of VCAM-1

Assistant Commissioner for Patents
Box IDS
Washington, DC 20231

Information Disclosure Statement Transmittal

Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, Applicants cite the publications listed on the accompanying PTO-1449. Copies of all listed references are enclosed.

Please charge any requisite fees associated with this paper to Deposit Account No. 11-0980.

Respectfully submitted,

Clark G. Sullivan
Reg. No. 36,942

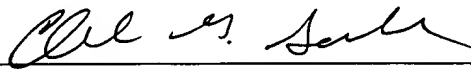
KING & SPALDING
191 Peachtree Street
Atlanta, GA 30303
404-572-2882 (Telephone)
404-572-5145 (Facsimile)



U.S. Ser. 09/815,262
Submittal of IDS

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this Information Disclosure Statement, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

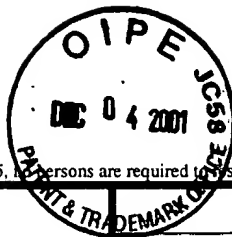

Clark G. Sullivan

Date: November 6, 2001

File No.: ATH114CIP (04676.105055)

RECEIVED
DEC 05 2001
TECH CENTER 1600/2910

Please type a plus sign (+) inside this box → ☐



Approved for use through 10/31/2002, OMB 0651-0034
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	5	Application Number	09/815,262
				Filing Date	March 11, 2001
				First Named Inventor	Meng <i>et al.</i>
				Group Art Unit	1614
				Examiner Name	Not Assigned
				Attorney Docket Number	04676.105055

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Cols, Lns, Where Relevant Passages/Figures Appear
		Number	Kind Code (if known)			
	AA	3,179,701		Rocklin	04/20/1965	
	AB	4,076,841		Wagner <i>et al.</i>	02/28/1978	
	AC	4,115,590		Lerner	09/19/1978	
	AD	4,752,616		Hall <i>et al.</i>	06/21/1988	
	AE	4,755,524		Mueller <i>et al.</i>	07/05/1998	
	AF	4,954,514		Kita <i>et al.</i>	09/04/1990	
	AG	5,206,247		Regnier <i>et al.</i>	04/27/1993	
	AH	5,262,439		Parthasarathy	11/16/1993	
	AI	5,627,205		Regnier <i>et al.</i>	05/06/1997	
	AJ	5,770,355		Brocia <i>et al.</i>	06/23/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Date of Publication of Cited Document DD-MM-YYYY	Country	Pgs, Clms, Lns, Where Relv. Psgs/ Fig Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
	AK	WO	95/30415	A1	16.11.1995	PCT-US		
	AL	WO	96/12703	A1	02.05.1996	PCT-US		

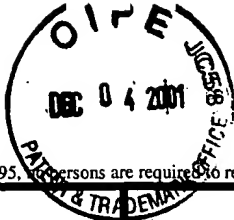
Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/08A (08-09)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/815,262
Filing Date	March 11, 2001
First Named Inventor	Meng <i>et al.</i>
Group Art Unit	1614
Examiner Name	Not Assigned
Attorney Docket Number	04676.105055

Sheet 2 of 5

TECH CENTER 1600/2900

DEC 05 2001

RECEIVED

FOREIGN PATENT DOCUMENTS (CONTINUED)

	BA	WO	97/15546	A1	01.05.1997	PCT-Japan		
	BB	WO	97/26258	A1	24.07.1997	PCT-EPO		
	BC	WO	98/22418	A1	28.05.1998	PCT-US		
	BD	WO	98/30255	A2	16.17.1998	PCT-US		
	BE	WO	98/51289	A2	19.11.1998	PCT-US		
	BF	WO	98/51662	A2	19.11.1998	PCT-US		
	BG	WO	99/24400	A1	20.05.1999	PCT-US		
	BH	WO	00/26184	A1	11.05.2000	PCT-Germany		
	BI	WO	00/28332	A1	18.05.2000	PCT-US		
	BJ	DE	27 16 125	A1	27.10.1977	Germany		
	BK	EPO	190 682	A2	13.08.1986	EPO		
	BL	EPO	212 310	A2	04.03.1987	EPO-Germany		
	BM	EPO	254 272	A2	27.01.1988	EPO		
	BN	EPO	292 660	A2	30.11.1988	EPO		
	BO	EPO	317 165	A1	24.05.1989	EPO		
	BP	EPO	348 203	A1	27.12.1989	EPO		
	BQ	EPO	405 788	A2	02.01.1991	EPO		
	BR	EPO	418 648	A1	27.03.1991	EPO-Germany		
	BS	EPO	621 255	A1	26.10.1994	EPO-France		
	BT	EPO	763 527	A1	19.03.1997	EPO-France		
	BU	FR	2.130.975		10.11.1972	France		
	BV	FR	2.133.024		24.11.1972	France		
	BW	FR	2.134.810		08.12.1972	France		
	BX	FR	2.140.769		19.01.1973	France		
	BY	FR	2.168.137		31.08.1973	France(Eng. Trans.)		✓
	BZ	GB	1,136,539		11.12.1968	Great Britain		
	BAA	GB	1,148,550		16.04.1969	Great Britain		
	BAB	GB	1,199,871		22.07.1970	Great Britain		

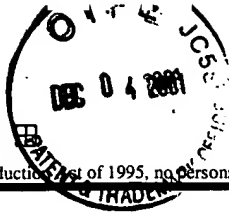
Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>		
				Application Number	09/815,262	
				Filing Date	March 11, 2001	
				First Named Inventor	Meng <i>et al.</i>	
				Group Art Unit	1614	
				Examiner Name	Not Assigned	
Attorney Docket Number	04676.105055					
Sheet	3	of	5			

RECEIVED
 DEC 05 2001
 TECH CENTER 1600/2001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	CA	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 127:75973, XP002115597, see abstract; RN 1706-68-9 & V.Z. LANKIN ET AL.: DOKL. AKAD. NAUK, V. 351, No. 4, 1996, pgs. 554-557.	
	CB	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 82:86196, XP002115598, see abstract; RN 54622-23-0, 54622-24-1 & CHEMICAL ABSTRACTS, Vol. 82, No. 13, 31 March 1975 (1975-03-01) Columbus, Ohio, US; Abstract No. 86196, XP002115592 abstract & JP 49 075552 A 9 (SAGAMI CHEMICAL RESEARCH CENTER) 20 July 1974 (1974-07-20).	
	CC	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 124:8690, XP00215603, see abstract; RN 171078-69-6, 171078-70-9, 171078-72-1, 171078-73-2, 171078-75-4, 171078-76-5, 171078-77-6, 171078-78-7 & CHEMICAL ABSTRACTS, Vol. 124, No. 1, 1 January 1996 (1996-01-01) Columbus, Ohio, US; Abstract No. 8690, XP002115596 abstract & V.I. KELAREV ET AL.: KHIM. GETEROTSIKL. SOEDIN, No. 4, 1995, pages 514-517.	
	CD	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 124:146082, XP002115604, see abstract; RN 162933-21-3, 162933-22-4, 162933-23-5, 169180-32-9, 169180-34-1, 169180-36-3, 173461-90-0, 173461-82-0, 173461-84-2, 173461-90-0, 173461-93-3, 173461-95-5 & V.I. KELAREV ET AL.: KHIM. GETEROTSIKL. SOEDIN, No. 5, 1995, pages 667-673.	
	CE	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 110:212254, XP002115683, see abstract; RN 100204-33-9, 111155-56-7, 9434-96-1, 120455-07-4, 120455-08-5, 120455-09-6, 120455-10-9 & CHEMICAL ABSTRACTS, Vol. 110, No. 23, 5 June 1989 (1989-06-05) Columbus, Ohio, US; Abstract No. 212254a, XP002115682 abstract & S.D. PASTOR ET AL.: PHOSPHOROUS SULFUR, Vol. 37, No. 3-4, 1988, pages 117-123, L. COMINACINI ET AL.: FREE RADICAL BIOLOGY AND MEDICINE, Vol. 22, No. 1-2, 1996, pages 117-127, XP002095164, see figures 6-7.	

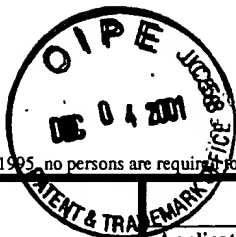
Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/08A (08-09)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/815,262
Filing Date	March 11, 2001
First Named Inventor	Meng et al.
Group Art Unit	1614
Examiner Name	Not Assigned
Attorney Docket Number	04676.105055

Sheet 4 of 5

RECEIVED
DEC 05 2001
PCH CENTER 1600/2900

DA	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 126:277465, XP002115599, see abstract; 188611-72-5, 188611-74-7, 188611-75-8, 188611-81-6, 188611-82-7 & CHEMICAL ABSTRACTS, Vol. 126, No. 21, 26 May 1997 (1997-05-26) Columbus, Ohio, US; Abstract No. 277465, XP002115593 abstract & JP 09 059258 A (ONO PHARMACEUTICAL CO) (1997-03-04).
DB	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 94:30290, XP00211560, see abstract; RN 76163-51-4 & CH. I. MAMEDOV: MATER. NAUCHN. KONF. ASPIR. AKAD. NAUK AZ. SSR, Vol. 1, 1980, pages 127-131.
DC	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 86:5066, XP002115601, see abstract; RN 55109-77-8, 61151-55-1 & CHEMICAL ABSTRACTS, Vol. 86, No. 1, 3 January 1977 (1977-01-03) Columbus, Ohio, US; Abstract No. 5066, XP002115594, abstract & A.I. MEDVEDEV ET AL.: TEZISY DOKL. NAUCHN. SESS. KHIM. TEKNOL. ORG. SOEDIN. SERY SERNISTYKH NEFTEI, 13 TH , 1974, pages 123-124.
DD	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, Accession No. 122:187387, XP002115602, see abstract; RN 161523-77-9, & CHEMICAL ABSTRACTS, Vol. 122, No. 15, 10 April 1995 (1995-04-10), Columbus, Ohio, US; Abstract No. 187387, XP002115595 abstract & JP 06 312978 A (NIPPON TOBACCO SANGYO ET AL) 8 November 1994 (1994-11-08).
DE	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, CAPLUS Accession No. 1970:445047, XP002124423, see abstract; RN 27428-10-0, 27428-13-3, 27428-14-4, 27428-15-5, 27428-16-6, 27428-17-7, 27428-18-8, 27428-19-9 & M. B. NEUWORTH ET AL.: J. MED. CHEM., V. 13, No. 4, 1970, pp. 722-725.
DF	CHEMICAL ABSTRACT, DATABASE CHEMABS 'Online!', CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US, STN, CAPLUS Accession No. 1986:28675, XP002124424, see abstract; RN 99661-86-6, 99661-87-7, 27466-44-0 & CHEMICAL ABSTRACTS, Vol. 104, No. 5, 3 February 1986 (1986-02-03), Columbus, Ohio, US; Abstract No. 28675, abstract & P. DE MEGLIO ET AL.: FARMACO, ED. SCI., Vol. 40, No. 11, 1985, pages 833-844.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



Approved for use through 10/31/2002. OMB 0651-0034
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/815,262
Filing Date	March 11, 2001
First Named Inventor	Meng et al.
Group Art Unit	1614
Examiner Name	Not Assigned
Attorney Docket Number	04676.105055

Sheet	5	of	5
-------	---	----	---

EA	COMINACINI et al., "Antioxidants Inhibit the Expression of Inter cellular Cell Adhesion molecule-1 and Vascular Cell Adhesion Molecule-1 Induced by Oxidized LDL on Human Umbilical Vein Endothelial Cells," <u>Free Radical Biology & Medicine</u> , Vol. 22, Nos. 1/2, pp. 117-127, 1997.
EB	FELDMAN, Davis, et al., "The In Vitro and Ex Vivo Antioxidant Properties, and Hypolipidemic Activity of CGP 2881," <u>Atherosclerosis</u> , 28 December 1998, Vol. 144, pp. 343-355.
EC	FRUEBIS, Joachim, "A Comparison of the Antiatherogenic Effects of Probucol and of a Structural Analogue of Probucol in Low Density Lipoprotein Receptor-deficient Rabbits," <u>The American Society for Clinical Investigation, Inc.</u> , July 1994, Vol. 94, pp. 392-398.
ED	MAO et al., "Antioxidant Activity of Probucol and Its Analogues in Hypercholesterolemic Watanabe Rabbits," <u>Journal of Medicinal Chemistry</u> , January 1991, Vol. 34, No. 1, pp. 298-302.
EE	MAO et al. "Attenuation of Atherosclerosis in a Modified Strain of Hypercholesterolemic Watanabe Rabbits with Use of a Probucol Analogue (MDL29,311) That Does Not Lower Serum Cholesterol," <u>Arteriosclerosis and Thrombosis</u> , September/October 1991, Vol. 11, No. 5, pp. 1266-1275.
EF	RAMASAMY, Santhini et al., "Modulation of Expression of Endothelial Nitric Oxide Synthase by Nordihydroguaiaretic Acid, a Phenolic Antioxidant in Cultured Endothelial Cells," <u>Molecular Pharmacology</u> , 5 April 1999, Vol. 56, pp. 116-123.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.